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### NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 12/02/2008

Lloyd McAulay, Esq. Cowan, Liebowitz & Latman, P.C. 1133 Avenue of the Americas New York, NY 10036-6799 EXAMINER

MCCALL, ERIC SCOTT

ART UNIT

PAPER NUMBER

2855 DATE MAILED: 12/02/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/536.619	08/25/2006	Richard Charles Cornwell	026418	2238

TITLE OF INVENTION: IMPROVED ENGINE MANAGEMENT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/02/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

maintenance fee notifica CURRENT CORRESPONDE	ENCE ADDRESS (Note: Use Bl	Fee(	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
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1133 Avenue of	tz & Latman, P.C. the Americas	./2008	I he State addr trans	Cert reby certify that thi es Postal Service we essed to the Mail emitted to the USPI	ificate is Fee( ith suf Stop ΓΟ (57	of Mailing or Transr s) Transmittal is being ficient postage for first ISSUE FEE address 1) 273-2885, on the da	nission deposited with the United t class mail in an envelope above, or being facsimile tte indicated below.
New York, NY	10036-6799						(Depositor's name)
							(Signature)
			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	03/02/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
MCCALL, E	RIC SCOTT	2855	073-114280	l			
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list  (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is identi h in 37 CFR 3.11. Comp GNEE	fied below, no assignee detion of this form is NO	T a substitute for filing an : (B) RESIDENCE: (CITY	ntent. If an assigne assignment. and STATE OR C	OUNT	TRY)	ocument has been filed for
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Co	rporati	on or other private gro	up entity Government
	are submitted:  Fo small entity discount put of Copies	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
5. Change in Entity Star	<b>tus</b> (from status indicated s SMALL ENTITY statu		b. Applicant is no long	ger claiming SMAI	LEN	FITY status See 37 CF	FR 1.27(g)(2)
NOTE: The Issue Fee and	d Publication Fee (if requ		d from anyone other than the	, ,			e assignee or other party in
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Authorized Signature							
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an application. Confident submitting the completed this form and/or suggesti	tiality is governed by 35 dapplication form to the tons for reducing this but irginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary den. should be sent to th	on is required to obtain or r 1.14. This collection is est depending upon the indive e Chief Information Office COMPLETED FORMS TO	imated to take 12 n idual case. Any co r. U.S. Patent and '	ninutes mment Traden	s to complete, including s on the amount of tin park Office, U.S. Depa	g gathering, preparing, and ne you require to complete artment of Commerce, P.O.

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10/536,619 08/25/2006		Richard Charles Cornwell	026418 2238		
7590 12/02/2008 Lloyd McAulay, Esq.			EXAMINER		
			MCCALL, ERIC SCOTT		
Cowan, Liebowitz	& Latman, P.C.	ART UNIT	PAPER NUMBER		
1133 Avenue of the Americas New York, NY 10036-6799			2855 DATE MAILED: 12/02/200	8	

## **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)				
	10/536,619	CORNWELL ET AL.				
Notice of Allowability	Examiner	Art Unit				
	Eric S. McCall	2855				
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. <b>THIS</b>				
1. $\blacksquare$ This communication is responsive to <u>the Applicant's amendation</u>	dment dated Oct. 16, 2008.					
2. X The allowed claim(s) is/are 43,45,46,48,52 and 53.						
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority unanal  All b)  Some* c)  None of the: <ol> <li>Certified copies of the priority documents have</li> <li>Certified copies of the priority documents have</li> <li>Copies of the certified copies of the priority documents have</li> </ol> </li> <li>Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). </li> <li>* Certified copies not received:</li> </ul>	been received. been received in Application No					
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements				
4. A SUBSTITUTE OATH OR DECLARATION must be subminiformal PATENT APPLICATION (PTO-152) which give						
5. X CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.					
(a) $\square$ including changes required by the Notice of Draftspers	on's Patent Drawing Review ( PTO-	948) attached				
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in t	84(c)) should be written on the drawir he header according to 37 CFR 1.121(c	ngs in the front (not the back) of				
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT						
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	E  Notice of Informal D	otest Application				
Notice of References Cited (PTO-892)     Notice of Draftperson's Patent Drawing Review (PTO-948)	<ul><li>5. ☐ Notice of Informal P</li><li>6. ☐ Interview Summary</li></ul>					
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Dat 7. ⊠ Examiner's Amendn	e ´				
Paper No./Mail Date4.  Examiner's Comment Regarding Requirement for Deposit	8. 🔲 Examiner's Stateme	nt of Reasons for Allowance				
of Biological Material	9.					

# A METHOD OF DERIVING ENGINE CYLINDER MECHANICAL TOP DEAD CENTRE

## **EXAMINER'S COMMENT**

#### **DRAWINGS**

The Applicant's remarks regarding the drawing amendments have been noted and such amendments would overcome all of the drawing objections set forth in the previous office action of May 06, 2008. However, the replacement drawings sheets as noted by the Applicant have not been received. Thus, the drawing objections remain.

#### **CONTACT INFORMATION**

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Eric S. McCall whose telephone number is (571) 272-2183.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/536,619 Page 3

Art Unit: 2855

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Eric S. McCall/ Primary Examiner Art Unit 2855